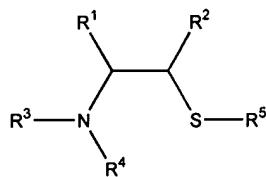


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously amended): An aminothiol compounds, having a general formula I,



wherein R¹ is aryl or alkyl of C1-C9;
R² is aryl or alkyl of C1-C9;
~~wherein R² is not phenyl as R⁴ is phenyl;~~
R³ is aryl or alkyl of C1-C9 methyl;
R⁴ is aryl or alkyl of C1-C9 methyl; or
R³, R⁴ and N form a three-to-eight-membered heterocycle piperidine;
with the proviso that R³, R⁴ and N form pyrrolidinyl or morpholinyl as
R¹ and R² are both phenyl; and
R⁵ is H or methyl.

Claim 2 (original): The aminothiol compound as claimed in claim 1, wherein R¹ is aryl or alkyl of C1-C6.

Claim 3 (original): The aminothiol compound as claimed in claim 1, wherein R² is aryl or alkyl of C1-C6.

Claims 4 (canceled).

Claims 5 (canceled).

Claims 6 (canceled).

Claims 7 (canceled).

Claims 8 (canceled).

Claim 9 (original): The aminothiol compound as claimed in claim 1, which is used for catalyzing an asymmetric addition reaction of an organic metal compound and aldehyde.

Claim 10 (original): The aminothiol compound as claimed in claim 9, wherein said organic metal is Zn or Cu.

Claim 11 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is i-propyl; R² is selected from the group consisting of methyl, n-butyl, i-propyl and phenyl; and R³, R⁴ and N form pyrrolidinyl.

Claim 12 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is methyl or n-butyl; R² is i-propyl; and R³, R⁴ and N form pyrrolidinyl.

Claim 13 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is phenyl; R² is phenyl; and R³, R⁴ and N form pyrrolidinyl or morpholinyl.

Claim 14 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is methyl or i-butyl; R² is phenyl; and R³, R⁴ and N form piperidyl.

Claim 15 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is benzyl; R² is phenyl; and R³, R⁴ are both methyl or n-butyl, or R³, R⁴ and N form a heterocycle selected from the group consisting of piperidyl, pyrrolidinyl and morpholinyl.

Claim 16 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is i-propyl; R² is phenyl; and R³, R⁴ are both n-butyl, or R³, R⁴ and N form a heterocycle selected from the group consisting of piperidyl, pyrrolidinyl and morpholinyl.

Claim 17 (new): The aminothiol compound as claimed in claim 1, wherein R¹ is i-propyl; R² is i-propyl; and R³, R⁴ and N form piperidyl.